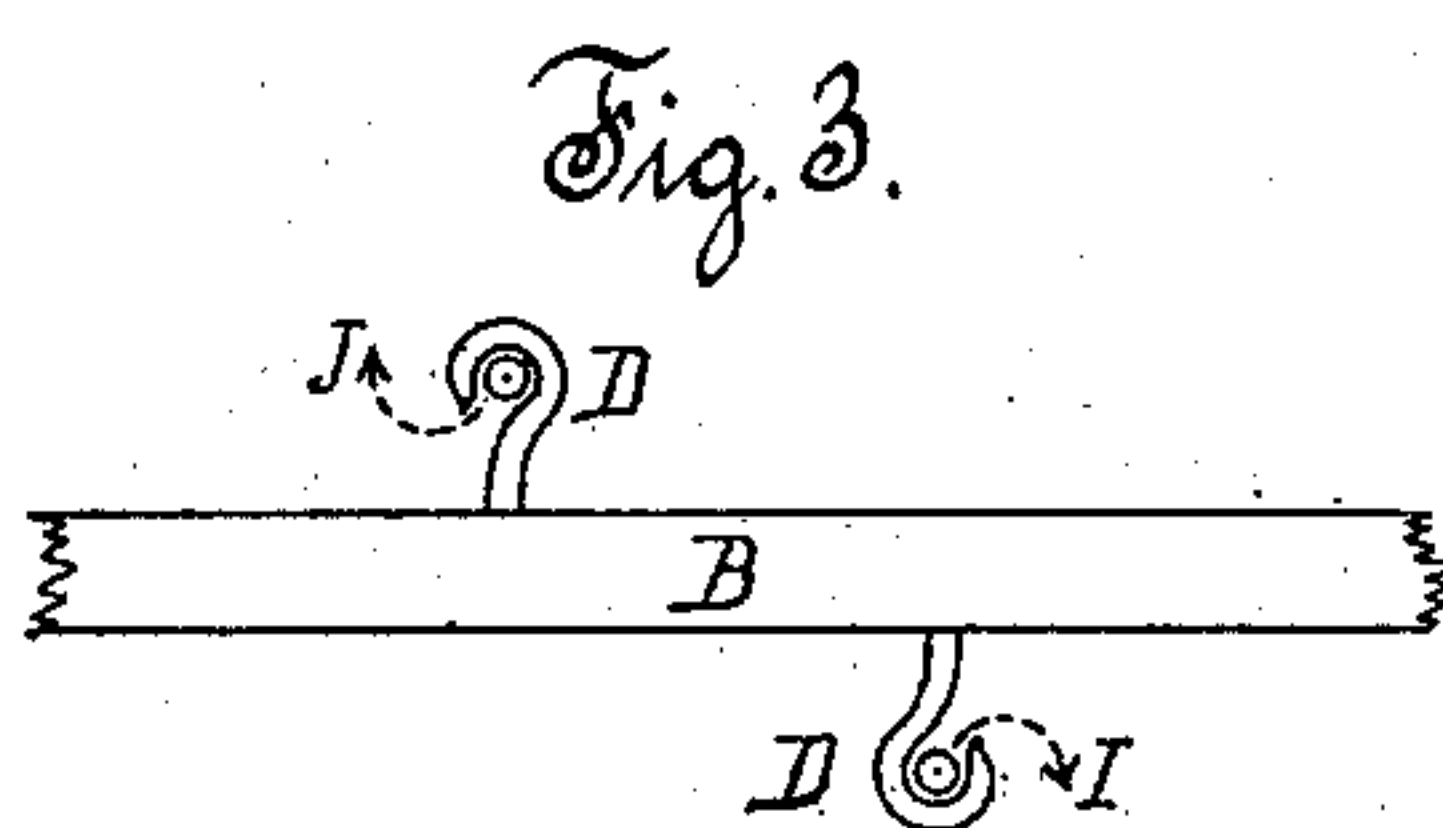
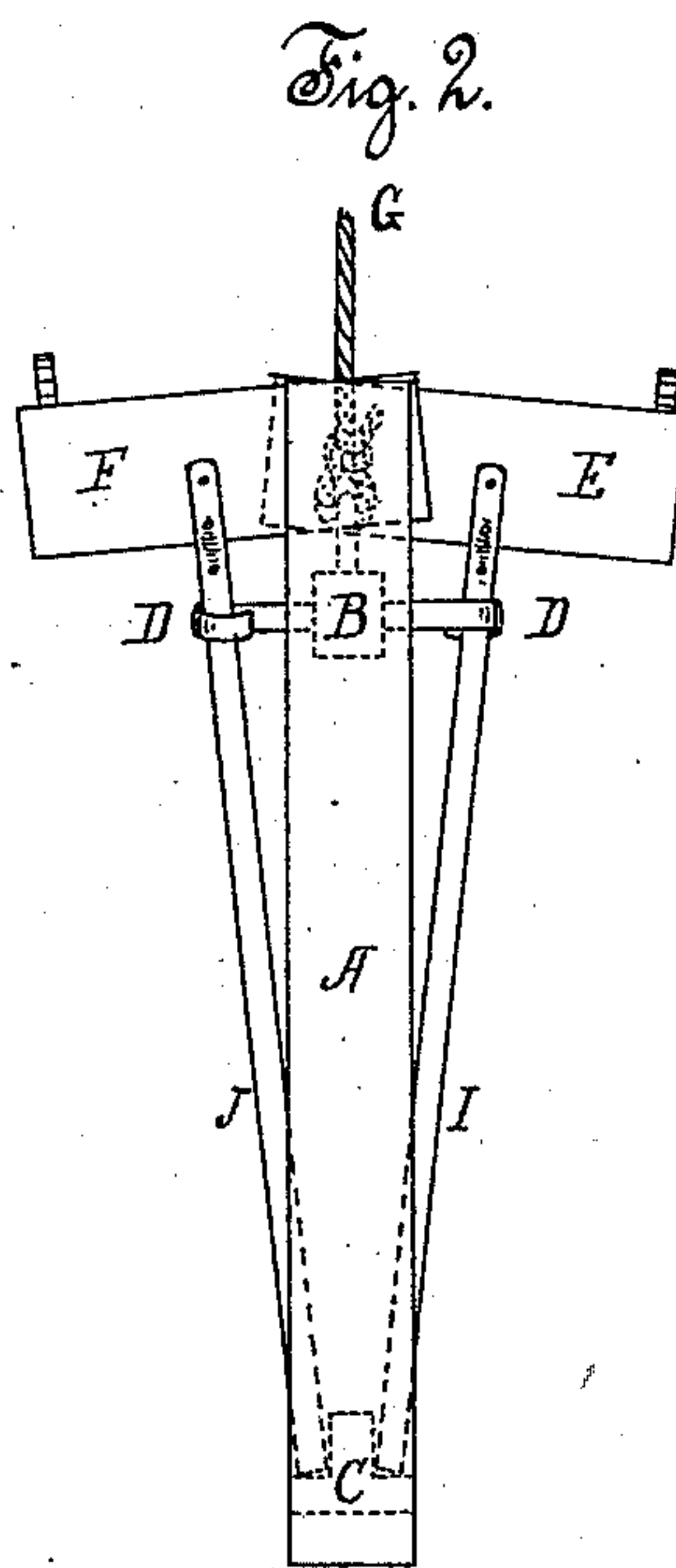
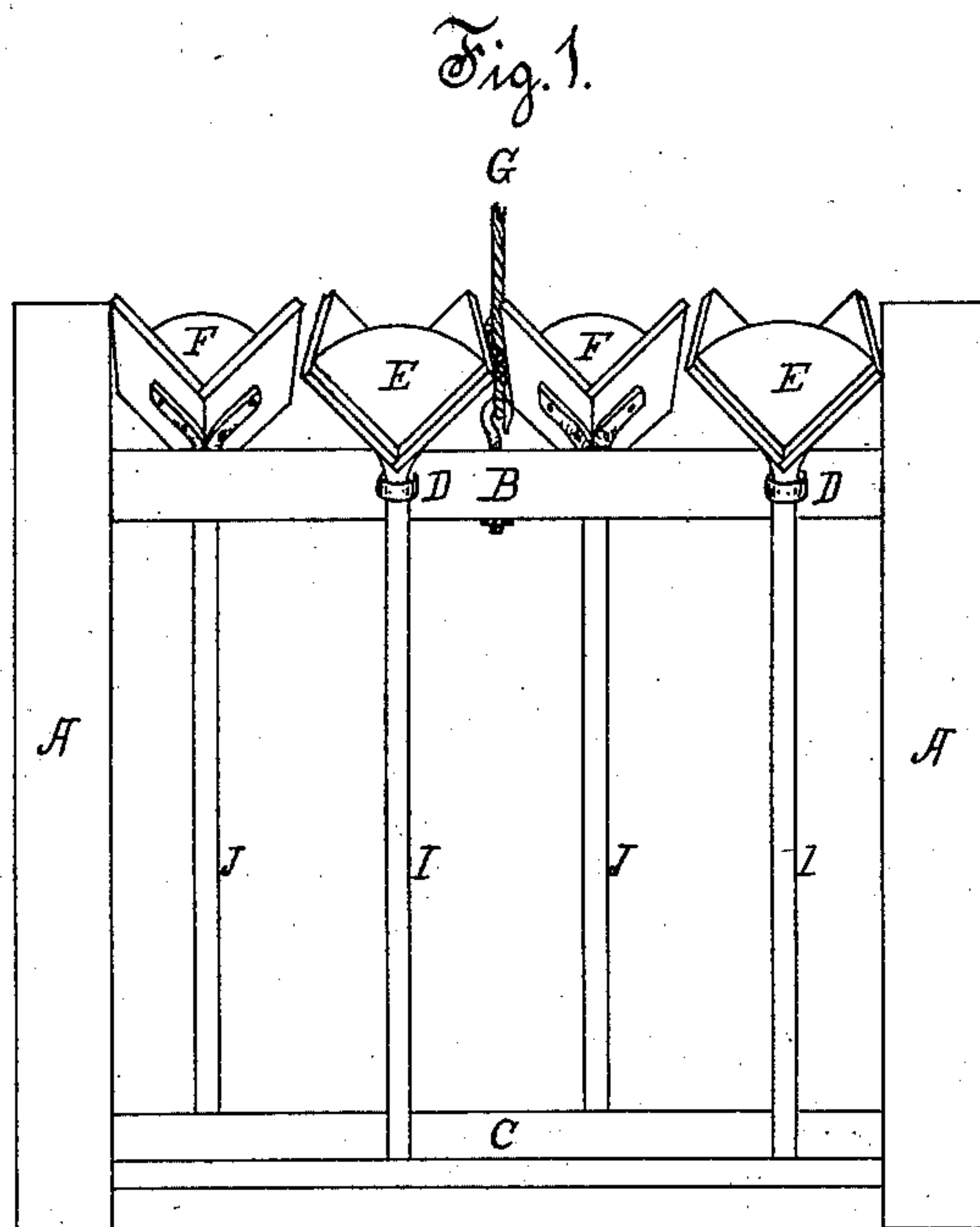


(No Model.)

L. ATWOOD.
SAFETY HOD ELEVATOR.

No. 273,006.

Patented Feb. 27, 1883.



Witnesses:

Wm. A. Garver.

Jacob Pettig.

Inventor:

Leonard Atwood.

UNITED STATES PATENT OFFICE.

LEONARD ATWOOD, OF NEW YORK, N. Y.

SAFETY HOD-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 273,006, dated February 27, 1883.

Application filed July 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, LEONARD ATWOOD, of the city of New York, in the county and State of New York, have invented a certain new and useful Safety Hod-Elevator, of which the following is a specification, reference being had to the accompanying drawings, constituting part thereof.

My invention relates to those elevators employed in buildings being erected to alternately raise hods containing building material and lower them for refilling, and particularly to a method and means of placing and retaining the hods thereon and of removing them therefrom. The resulting advantages are increased simplicity of construction and facility of operation over those elevators now known to the art.

In the accompanying drawings, wherein similar letters indicate corresponding parts throughout the several views, Figure 1 shows a front, Fig. 2 an end elevation, and Fig. 3 a plan, of the cross-head of such an elevator.

A A are uprights prepared to run between guides in the usual manner.

B is a cross-head connecting the uprights, to which the hoisting-rope G is attached. Beneath is C, a cross-bar or platform, arranged, as hereinafter described, to support the hods. Upon each side of the cross-head B, and extending laterally therefrom, are arms D D, having hooked extremities, as shown most clearly in Fig. 3, and furnished in numbers corresponding to the hods to be carried. The platform C may have a middle ridge, as indicated by the dotted lines in Fig. 2, and on each side a suitable ledge or a level platform may be provided, with a series of sockets along its middle, adapted in either case to hold the end of the hod-shank. The hooked arms D D are of such a length and so located with relation to the foot-rests of the hods as to support the hods in the outwardly-inclined position shown most clearly in Fig. 2. The hod, when thus supported with the bottom of its shank secured in a socket, or in the angle formed by the adjacent ridge and ledge on the platform C, is prevented from falling outward and from lateral movement by the hook, and from rotation upon its shank as an axis, by the closed and heavier end of the hod-

bowl naturally seeking a lower level than the open or lighter end, owing to its position. All possible movements of the hod are thus prevented.

The method of operation is as follows: The laborer approaches with the hod on his shoulder and places the bottom of the shank into the recess provided upon the platform C, there resting its entire weight. He then pushes the hod up into a nearly perpendicular position and allows it to fall backward into the hook furnished to receive it. In removing the hod he pushes it beyond the end of the hook, and then allows it to fall outward onto his shoulder, whereupon he carries it to its destination. Both the operation of loading and unloading the elevator is accomplished without stepping on the elevator-platform, which is dangerous.

What I claim as novel, useful, and my invention, and desire to secure by Letters Patent, is—

1. A safety hod-elevator arranged to support the hod thereon upon its shank or handle in a position of outward inclination, in the manner and for the purpose substantially as described.

2. A safety hod-elevator having a platform to support the hod and a hooked arm to hold it in a position of outward inclination, substantially as described.

3. A safety hod-elevator provided with a platform whereon the hod may be shanked, and with a hooked arm wherein the upper part of the hod-shank may be received and retained in a position of outward inclination thereupon, substantially as described.

4. As a means of holding the hod in a safe and convenient position on a platform hod-elevator, an arm located at the proper height, and having a hooked extremity, formed to receive and retain the upper part of the hod-shank, for the purpose and in the manner substantially as described.

In testimony whereof I have hereunto signed my name, this 6th day of July, A. D. 1882, in the presence of two subscribing witnesses.

LEONARD ATWOOD.

Witnesses:

JOHN A. GARVER,
JACOB RETTIG.